Contents to Volume 20

Volume 20 Nos. 1 and 2 April 1998

Special Issue

Logics for Artificial Intelligence

Guest Editors: José Júlio Alferes and Luís Moniz Pereira

JOSÉ JÚLIO ALFERES and LUÍS MONIZ PEREIRA / Preface 1–3

HANS DE NIVELLE / An Algorithm for the Retrieval of Unifiers from Discrimination Trees 5–25

GILLES DÉFOURNEAUX, CHRISTOPHE BOURELY and NICOLAS PELTIER / Semantic Generalizations for Proving and Disproving Conjectures by Analogy 27–45

ANATOLI DEGTYAREV and ANDREI VORONKOV / What You Always Wanted to Know about Rigid *E*-Unification 47–80

PETER FRÖHLICH, WOLFGANG NEJDL and MICHAEL SCHROEDER / Strategies in Model-Based Diagnosis 81–105

JOSÉ JÚLIO ALFERES, LUÍS MONIZ PEREIRA and TEODOR C. PRZYMUSINSKI / 'Classical' Negation in Nonmonotonic Reasoning and Logic Programming 107–142

STEFAN BRASS and JÜRGEN DIX / Characterizations of the Disjunctive Well-Founded Semantics: Confluent Calculi and Iterated GCWA 143–165

PAOLA FORCHERI, PAOLO GENTILINI and MARIA TERESA MOLFINO / Informational Logic as a Tool for Automated Reasoning 167–190

PH. BESNARD and T. SCHAUB / Signed Systems for Paraconsistent Reasoning 191–213

Volume 20 No. 3 June 1998

Studies in Automated Reasoning

GUOXIANG HUANG and DALE MYERS / Subgoal Strategies for Solving Board Puzzles 215–253

Research Articles

ERICA MELIS / The Heine–Borel Challenge Problem. In Honor of Woody Bledsoe 255–282

KAHLIL HODGSON / Shortest Single Axioms for the Equivalential Calculus with CD and RCD 283–316

HANS JÜRGEN OHLBACH / Elimination of Self-Resolving Clauses 317–336

M. PARAMASIVAM and DAVID A. PLAISTED / Automated Deduction Techniques for Classification in Description Logic Systems 337–363

ABDELILAH KANDRI RODY, HAMID MAÂROUF and MOHAMED SSAFINI / Triviality and Dimension of a System of Algebraic Differential Equations 365–385

Calendar Announcement 387

Author Index to Volume 20 389

Subject Index to Volume 20 391

Contents to Volume 20 393–394